main frames welded to the tension mask, wherein each of the main frames is bent at a middle portion in [the] a width direction, and has a portion perpendicular to the tension mask defining a partition and another portion opposite to the tension mask defining a lower plane, and wherein widths of a middle portion and of both ends of the lower plane are formed in the range of the following equation:

$$0 < \frac{w_1 - w_2}{w_2} \le 1.0,$$

[herein,] where  $w_1$  is the width of the middle portion, and  $w_2$  is the width of both ends.

2. (Amended) A tension mask assembly, comprising:

a tension mask having electron beam through holes [shaped as a slot or grill,];

[a] at least one sub-frame for tensioning the tension mask[,]; and

main frames welded to the tension mask, wherein each of the main frames has a partition perpendicular to the tension mask, a lower plane perpendicularly bent from the partition with a certain width to be opposed to the tension mask, and a support bent from the lower plane to support the partition at the outer edge, <u>and</u> wherein widths of a middle portion and <u>of</u> both ends of the lower plane are formed in the range of the following equation:

$$0<\frac{y_1-y_2}{y_2}\leq 1.0,$$

[herein,] where  $y_1$  is the width of the middle portion, and  $y_2$  is the width of both ends.

3. (Amended) [A] The tension mask assembly according to claim 2, wherein widths of a middle portion and both ends of the support are formed in the range of the following equation:

$$0 < \frac{d_1 - d_2}{d_2} \le 1.0,$$

[herein,] where  $d_1$  is the width of the middle portion, and  $d_2$  is the width of both ends.

## Clean Set of Amended Claims

(Amended) A tension mask assembly, comprising:

a tension mask having electron beam through Holes;

at least one sub-frame for tensioning the tension mask; and

main frames welded to the tension mask, wherein each of the main frames is bent at a middle portion in a width direction, and has a portion perpendicular to the tension mask defining a partition and another portion opposite to the tension mask defining a lower plane, and wherein widths of a middle portion and of both ends of the lower plane are formed in the range of the following equation:

$$0 < \frac{w_1 - w_2}{w_2} \le 1.0,$$

where  $w_1$  is the width of the middle portion, and  $w_2$  is the width of both ends.

2. (Amended) A tension mask assembly, comprising:

a tension mask having electron beam through holes;

at least one sub-frame for tensioning the tension mask; and

main frames welded to the tension mask, wherein each of the main frames has a partition perpendicular to the tension mask, a lower plane perpendicularly bent from the partition with a certain width to be opposed to the tension mask, and a support bent from the

Serial'No. 09/848,283

equation:

Docket No. K-281

lower plane to support the partition at the outer edge, and wherein widths of a middle portion and of both ends of the lower plane are formed in the range of the following equation:

$$0 < \frac{y_1 - y_2}{y_2} \le 1.0,$$

where  $y_1$  is the width of the middle portion, and  $y_2$  is the width of both ends.

3. (Amended) The tension mask assembly according to claim 2, wherein widths of a middle portion and both ends of the support are formed in the range of the following

$$0 < \frac{d_1 - d_2}{d_2} \le 1.0,$$

where  $d_1$  is the width of the middle portion, and  $d_2$  is the width of both ends.

## B. Please add new claims 4-21 as follows:

- 4. (New) The tension mask assembly according to claim 1, wherein the electron beam through holes are shaped as a slot or grill.
- 5. (New) The tension mask assembly according to claim 1, wherein the main frames are welded to the at least one subframe.
- 6. (New) The tension mask assembly according to claim 1, wherein a shape of the lower plane is one of curved, rounded, rectangular, triangular, or any combination thereof.
  - 7. (New) A cathode ray tube containing the tension mask assembly of claim 1.
- 8. (New) The tension mask assembly according to claim 2, wherein the electron beam through holes are shaped as a slot or grill.
- 9. (New) The tension mask assembly according to claim 2, wherein the main frames are welded to the at least one subframe.
- 10. (New) The rension mask assembly according to claim 2, wherein a shape of the lower plane is one of curved, rounded, rectangular, triangular, or any combination thereof.

12.

(New) A cathode ray tube containing the tension mask assembly of claim 2.

12. (New) A tension mask assembly, comprising:

a tension mask having electron beam through holes disposed therein;

at least one sub-frame configured to support the tension mask under tension;

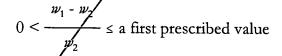
and

main frames attached to the tension mask, wherein each of the main frames includes a first portion extending perpendicular to the tension mask and a second portion extending perpendicular to the first portion defining a lower plane, and wherein a width of a middle portion of the lower plane is greater than a width of edge portions of the lower plane.

- 13. (New) The tension mask assembly according to claim 12, wherein a shape of the lower plane is one of curved, rounded, rectangular, triangular, or any combination thereof.
- 14. (New) The tension mask/assembly according to claim 12, wherein the main frames are welded to the at least one support frame.
- 15. (New) The tension/mask assembly according to claim 12, wherein each of the main frames further comprises a third portion bent from the lower plane and configured to support the first portion, such that the main frame has a triangular cross section.

16. (New) The tension mask assembly according to claim 15, wherein a width of a middle portion of the third portion is greater than a width of the edge portions of the third portion.

- 17. (New) A cathode ray tube containing the tension mask assembly of claim 12.
- 18. (New) The tension mask assembly according to claim 12, wherein the widths of the middle portion and edge portions of the second portion of the main frames satisfy the following equation:



where  $w_1$  is the width of the middle portion and  $w_2$  is the width of the edge portions.

- 19. (New) The tension mask assembly according to claim 18, wherein the first prescribed value equals 1.0.
- 20. (New) The tension mask assembly according to claim 15, wherein the widths of the middle portion and edge portions of the third portion of the main frames satisfy the following equation:

Serial No. 09/848,283

Docket No. K-281

Collins 2

$$0 < \frac{d_1 - d_2}{d_2} \le a$$
 second prescribed value

where  $d_1$  is the width of the middle portion and  $d_2$  is the width of the edge portions.

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21. (New) The tension mask assembly according to claim 20, wherein the second prescribed value equals 1.0.